

PLUS
Search

09/929023

09929023 WEST

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PLUS Search Results for S/N 09929023, Searched July 01, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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09929023 CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09929023 on July 01, 2004

Original Classifications

4 455/569.2
3 455/556.1
3 455/557
3 455/569.1
2 379/420.02
2 455/345
2 455/456.3
2 455/564
2 455/570
2 704/233
2 704/275

Cross-Reference Classifications

6 455/351
4 340/990
4 455/563
3 379/388.04
3 379/420.03
3 455/457
3 455/557
3 455/566
3 455/569.1
3 455/569.2
3 455/575.9
2 340/995.12
2 342/457
2 343/711
2 343/807
2 370/493
2 370/494
2 370/495
2 379/354
2 379/388.03
2 379/88.01
2 381/365
2 381/57
2 455/128
2 455/456.1
2 455/570
2 455/575.7
2 701/207
2 701/225
2 704/270

Combined Classifications

7 455/569.2
6 455/351
6 455/557
6 455/569.1
5 455/563
4 340/990
4 455/457
4 455/556.1
4 455/570
3 379/388.04
3 379/420.03
3 455/345
3 455/566
3 455/575.9
2 340/995.12
2 342/457
2 343/711
2 343/807
2 370/493
2 370/494
2 370/495
2 379/354
2 379/388.03
2 379/390.01
2 379/420.02
2 379/88.01
2 379/88.04
2 381/365
2 381/57
2 455/128
2 455/456.1
2 455/456.3
2 455/564
2 455/575.1
2 455/575.7
2 455/99
2 701/207
2 701/225
2 704/233
2 704/270
2 704/275

able 1
above 3
abstract 1
accessories 1
accommodate 1
accommodates 1
adapted 1
adjacent 6
adjust 1
advantage 3
after 1
air 1
aligned 1
all 2
allow 3
allowing 2
allows 2
almost 2
also 1
ambient 1
an 7
and 71
ann 1
another 5
answered 1
any 2
apparent 1
approach 2
approaches 2
arc 1
are 10
arm 4
around 4
arranged 1
arrangement 4
arrangements 1
art 1
as 10
assembly 2
at 7
attached 1
attempt 1
audio 1
avoids 1
background 1
battery 1
be 6
been 2

behind 2
between 5
both 4
brief 1
broadcast 1
broadly 1
bushings 6
by 9
call 1
calls 1
cannot 1
captures 1
car 1
cd 1
center 2
centerline 3
charge 1
cigarette 1
clarity 1
close 2
coincident 2
column 1
combination 3
communicate 2
communicated 2
complains 1
completely 1
comprised 5
concerns 2
conditioning 1
conditions 1
configuration 1
configured 1
congested 1
conjunction 1
connect 3
connected 1
connecting 6
connections 1
console 1
constrain 1
constrained 1
continues 1
controls 2
convenience 1
conventional 1
conversation 1
countries 1

coupled 6
couples 1
currently 1
dash 1
dashboard 5
depicts 1
described 2
description 2
designed 1
detached 1
detailed 1
details 1
device 47
devices 2
diameter 2
diameters 1
different 4
difficulty 2
dimensions 1
direction 1
discerning 1
disclosure 1
does 2
down 2
drawings 3
drive 1
driver 7
drivers 4
driving 1
during 1
each 1
ear 2
ease 1
easily 2
effortless 1
electrically 3
elongated 12
embodiment 2
embodiments 1
embraces 1
employ 1
employing 2
employs 2
end 6
engage 3
ensure 1
environment 1
environments 1

epo 1
equipped 1
especially 1
established 1
european 1
even 1
exact 1
examples 1
exceedingly 1
exist 1
expeditious 1
express 1
extend 1
extends 1
far 1
fastened 2
fastener 6
field 1
fig 7
figure 1
finally 1
first 3
flexible 4
fm 1
followed 4
following 1
follows 1
for 14
frcc 1
free 28
frequently 1
from 6
further 2
generally 7
granted 1
greatly 1
hand 2
hands 30
handsets 1
handsfree 1
has 2
have 2
having 3
he 2
head 7
headrest 37
hear 2
hearing 1

heating 1
hen 1
highly 3
hold 1
holding 1
host 2
housing 10
idea 1
if 1
iimer 1
il 1
illustrates 2
illustration 2
improve 1
in 43
include 1
included 1
includes 7
incoming 1
inconvenience 1
incorporates 1
incorporating 2
increased 1
infbrmation 1
information 1
ingenious 1
inherent 1
inherently 1
inner 1
install 1
installation 2
installed 1
instant 2
integrally 2
integrated 1
intended 2
intermediate 1
intersects 2
into 4
invention 15
involved 1
involves 3
irrespective 1
is 41
it 3
its 4
just 2
keep 1

kit 1
kits 4
laws 2
lighter 1
lights 1
like 1
limiting 1
line 2
listener 1
located 1
locating 1
location 2
long 1
loud 4
louder 1
ly 1
maimer 1
majority 1
manner 3
manually 1
marked 1
massive 1
matching 1
mating 3
may 2
means 1
mention 1
messages 1
method 5
microphone 28
mobile 25
module 7
moment 1
more 5
motor 1
mounted 6
mounting 7
mounts 1
mouth 2
movable 4
moved 1
movement 1
myriad 1
nature 1
nearly 1
necessity 1
neck 5
need 3

no 1
noise 1
non 1
not 2
noted 4
november 1
now 1
numerals 1
object 1
objective 2
obvious 1
occupant 12
occurs 1
of 122
on 14
one 4
operating 1
or 2
other 5
others 1
over 3
overall 1
pair 9
pans 1
parallel 2
part 1
partial 1
particular 1
particularly 1
party 1
passes 1
passing 1
patent 1
performance 1
perpendicular 3
phone 28
phones 5
physical 1
physically 3
pick 1
pillar 8
pillars 23
placed 1
plate 6
player 1
plurality 1
portable 2
portion 12

position 2
positionable 2
positionally 1
positioned 1
positioning 2
positions 1
power 2
preferred 2
present 2
primary 1
prior 2
problem 1
problems 1
procedure 1
produces 1
prohibit 1
projection 2
proliferation 1
provide 2
provided 5
provides 1
providing 2
provision 1
proximate 2
proximity 1
proxinuity 1
quite 1
radio 3
range 1
rarely 1
rather 1
readily 1
receive 1
recent 1
recently 1
receptacles 1
reduces 1
reference 2
region 2
reinstalling 1
relates 1
relationship 7
relative 1
remarkably 1
removing 2
represent 1
resides 4
response 2

returning 1
roof 1
rotatably 1
safety 1
sales 1
same 2
scat 1
seat 23
second 1
section 4
secure 3
secured 12
secures 1
securing 5
selects 1
separate 2
several 1
shaped 3
should 1
shout 1
shouting 2
shown 2
side 1
signals 1
similar 1
simple 2
simultaneously 5
since 1
single 1
sized 2
sizes 1
slidably 1
slowing 1
small 1
so 1
some 2
span 6
spans 1
speaker 22
speakerphone 1
speakers 1
specifically 1
speech 1
stable 4
standardization 1
steer 1
steering 3
step 1

steps 1
still 1
strap 24
structural 2
structurally 3
structure 25
structures 1
sts 1
subject 1
such 6
summary 1
sun 1
support 21
swing 1
takes 1
tape 1
teaches 1
than 1
that 30
the 244
their 5
then 4
there 2
thereby 7
therein 1
thereof 2
thereto 1
these 3
they 1
this 7
through 3
throughout 1
tile 2
to 69
top 9
traffic 1
transmission 1
turn 1
two 2
type 6
unavoidable 1
under 1
unit 1
universal 1
universally 1
up 1
upon 1
usc 1

use 17
used 1
user 11
using 1
usual 1
usually 1
utility 1
utilize 1
variety 1
various 1
vehicle 37
vehicles 2
via 5
view 2
views 1
virtually 1
visor 1
voice 4
way 1
well 2
wheel 1
when 5
wherein 3
which 9
while 6
wide 2
windshield 1
wipers 1
wiring 1
with 36
words 1
world 1
years 1
yet 2

09929023 CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09929023 on July 01, 2004

09929023 CLSTITLES

340/988 VEHICLE POSITION INDICATION

340/989 .At remote location

340/990 ..With map display

4 455/457 (1 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS

455/403 RADIOTELEPHONE SYSTEM

455/422.1 .Zoned or cellular telephone system

455/456.1 ..Location monitoring

455/457 ...Location display

4 455/556.1 (3 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail

455/556.1 ..Integrated with other device

4 455/570 (2 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail

455/569.1 ..Hands-free or loudspeaking arrangement

455/570 ...Noise suppression or echo cancellation

3 379/388.04 (0 OR, 3 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/387.01 SUBSTATION OR TERMINAL CIRCUITRY

379/388.01 .For loudspeaking terminal

379/388.04 ..Voice control of transmission direction

3 379/420.03 (0 OR, 3 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/419 TERMINAL

379/420.01 .Having loudspeaking conversation capability
(e.g., hands-free type or speakerphone)

379/420.03 ..Hands-free microphone feature

3 455/345 (2 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/344 .Combined with diverse art device

455/345 ..With vehicle

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3 455/566 (0 OR, 3 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
TRANSCIEVER)
455/550.1 .Radiotelephone equipment detail
455/566 ..Having display

3 455/575.9 (0 OR, 3 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
TRANSCIEVER)
455/550.1 .Radiotelephone equipment detail
455/575.1 ..Housing or support
455/575.9 ...In vehicle

2 340/995.12 (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/995.1 .Map display
340/995.12 ..Transmission of map data to vehicle

2 342/457 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/450 .Position indicating (e.g., triangulation)
342/457 ..Land vehicle location (e.g., bus, police car

2 343/711 (0 OR, 2 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/711 .With vehicle

2 343/807 (0 OR, 2 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/793 .Balanced doublet - centerfed (e.g., dipole)
343/807 ..Tapered, thick, or enlarged arms

2 370/493 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having
multiple packets
370/480 .Combining or distributing information via
frequency channels

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370/493 ..Combined voice and data transmission

2 370/494 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having
multiple packets
370/480 ..Combining or distributing information via
frequency channels
370/493 ..Combined voice and data transmission
370/494 ...Data over voice

2 370/495 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having
multiple packets
370/480 ..Combining or distributing information via
frequency channels
370/493 ..Combined voice and data transmission
370/495 ...Data under voice

2 379/354 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/350 SUPERVISORY OR CONTROL LINE SIGNALING
379/352 ..Substation originated
379/354 ..With called number display

2 379/388.03 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/387.01 SUBSTATION OR TERMINAL CIRCUITRY
379/388.01 ..For loudspeaking terminal
379/388.02 ..Speakerphone with build-in microphone
379/388.03 ...Automatic gain or volume (AGC or AVC)

2 379/390.01 (1 OR, 1 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/387.01 SUBSTATION OR TERMINAL CIRCUITRY
379/388.01 ..For loudspeaking terminal
379/390.01 ..Amplification or attenuation level control

2 379/420.02 (2 OR, 0 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/419 TERMINAL
379/420.01 ..Having loudspeaking conversation capability
(e.g., hands-free type or speakerphone)
379/420.02 ..Hands-free loudspeaker feature

2 379/88.01 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS

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379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

379/88.01 .Voice activation or recognition

2 379/88.04 (1 OR, 1 XR)

 Class 379 : TELEPHONIC COMMUNICATIONS

 379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

 379/88.01 .Voice activation or recognition

 379/88.04 ..Voice controlled message management

2 381/365 (0 OR, 2 XR)

 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES

 381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER

 381/355 .Housed microphone

 381/361 ..Mounting or support

 381/365 ...In electronic apparatus or vehicle

2 381/57 (0 OR, 2 XR)

 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES

 381/56 MONITORING OF SOUND

 381/57 .Amplification control responsive to ambient
 sound

2 455/128 (0 OR, 2 XR)

 Class 455 : TELECOMMUNICATIONS

 455/91 TRANSMITTER

 455/128 .With casing or housing

2 455/456.1 (0 OR, 2 XR)

 Class 455 : TELECOMMUNICATIONS

 455/403 RADIOTELEPHONE SYSTEM

 455/422.1 .Zoned or cellular telephone system

 455/456.1 ..Location monitoring

2 455/456.3 (2 OR, 0 XR)

 Class 455 : TELECOMMUNICATIONS

 455/403 RADIOTELEPHONE SYSTEM

 455/422.1 .Zoned or cellular telephone system

 455/456.1 ..Location monitoring

 455/456.3 ...Position based personal service

2 455/564 (2 OR, 0 XR)

 Class 455 : TELECOMMUNICATIONS

 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

09929023 CLSTITLES
TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail
455/564 ..Auto-dialing or repertory dialing (e.g.,
using bar code, etc.)

2 455/575.1 (1 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.)

TRANSCEIVER)
455/550.1 .Radiotelephone equipment detail
455/575.1 ..Housing or support

2 455/575.7 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.)

TRANSCEIVER)
455/550.1 .Radiotelephone equipment detail
455/575.1 ..Housing or support
455/575.7 ...Having specific antenna arrangement

2 455/99 (1 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/91 TRANSMITTER
455/95 .Mobile or portable
455/99 ..With vehicle

2 701/207 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment

2 701/225 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/225 .Determining range without range measurement

2 704/233 (2 OR, 0 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/231 .Recognition
704/233 ..Detect speech in noise

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2 704/270 (0 OR, 2 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSiON/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/270 .Application

2 704/275 (2 OR, 0 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSiON/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/270 .Application
704/275 ..Speech controlled system

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5299132 61
5398190 61
5513111 61
5519621 61
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5832394 61
5884221 61
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5588041 55
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5649316 55
6058319 55
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5555448 55
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6226529 53
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